

8 head Digital VCR

VR20D

## Enjoy the benefits of Digital technology at home!

- **Digital Picture and Sound quality** - D-VHS enhances the Picture and Sound quality of your recordings to a level never seen before.
- **Up to 21 hours Widescreen TV-recording** – Enjoy the possibility to have up to 21 hours of recording on one tape (DF-420) with D-VHS.
- **Digital Camcorder recording** - D-VHS is the best archiving medium for your Digital Camcorder videos. You can make perfect digital copies (DV to D-VHS) with up to 7 hours of recordings on one D-VHS cassette (DF-420). Naturally D-VHS is also the perfect digital storage medium for your analogue camcorder recordings.
- **MPEG Encoder/Decoder** – The encoder makes a perfect digital picture out of your analogue signals. The decoder turns the digital signals in an analogue signal, so you can enjoy perfect picture and sound quality on your normal TV.
- **100% backwards compatibility** - We made sure that with a D-VHS recorder you can still use existing VHS and S-VHS tapes for recording and playback. By this means, D-VHS manages a smooth transition into the digital future.

DVHS

MPEG

TURBO  
DRIVE

SHOWVIEW

SMART  
PICTURE

NEXTVIEWLINK

NTSC  
PLAYBACK



Let's make things better.



PHILIPS

8 head Digital VCR

VR20D

## Preliminary specifications

	S-VHS/VHS	D-VHS
<b>Reception</b> Tuner Tuning Tuning/Install Features Sound System Off Air	Full (UHF + VHF + Hyperband) Tuner FST, CH entry, 99 presets Guide Channel Mapping, Manual Search/Store, Plug & Play German Stereo, NICAM, Mono	
<b>User Interface</b> OSD Menu Languages Time/Date Download Picture Improvement System:  Additional Playback Standard Audio Recording System Audio Recording Level Audio Dubbing Insert TV-Related Functions TV-Related Control Functions Remote Control RT5971101	English, German, Dutch, France, Italian, Spanish, Swedish, Norwegian, Finish, Danish PDC, Text (Time/Date) Advanced Studio Picture Control, Not applicable (Digital Image) SMART Picture, Digital Noise Reduction, Digital Time Base Corrector NTSC FM Audio, Linear Automatic no no 16:9 (pin 8), Direct Record NexTV Link (pin 10) Backlit, TV Multicode, VCR1/2	
<b>Programming</b> Number of Events Programming Mode Record Control & Transmitter Identification Automatic Sat. Recording Record Speed	8/year Remote PDC, VPS SCART 2 Long Play (LP), Standard Play (SP)   Long Play (LS3), Standard Play (STD)	
<b>Tape Deck</b> Number of (S-)VHS Video/D-VHS/FM Audio/Flying Erase Heads Play: Additional Playback Features Index Related Functions Tape Length Recognition Tape Counter Automatic Functions at Tape End Winding/Rewinding Time Head Cleaning Mode	4/2/2/0 +1, -1, Repeat Still, Fast Search Speed, Variable Slow Motion Speed Next/Previous index search Automatic Linear relative, Linear time left Rewind after Play - Eject after Record 100 sec (E180)   170 sec (DF420) Automatic	
<b>Color</b> Front, side panels Cover	Silver Gray	
<b>Connectors Rear</b> EXT1 (AV1) EXT2 (AV2) EXT3 (S-IN) EXT4 (S-OUT) Audio Conn. Rear Terrestrial Antenna In & Out Mains Connector Synchro edit LANC edit I.LINK (DV camcorder)	Black, Euro CVBS in/out, Y/C in/out, switchable Y/C out or CVBS out Black, Euro CVBS in/out, Euro Decoder S-VHS in S-VHS out Cinch stereo in/out 75 Ohms (IECtype) Standard (IECtype) Mini-Jack 3,5mm Yes no   no IEEE1394 in	
<b>Connectors Front</b> Audio/Video Conn. Front	Cinch CVBS in, Cinch stereo in, S-VHS in	
<b>General</b> Voltage Frequency Backup Presets & Timer Events Backup Clock & Calendar Power Cons. in Play / Std-By Equipment Supplied Weight incl./excl. package in kg Set Size - W x D x H (mm) Packaging - W x D x H (mm)	220-240V 50Hz-60Hz 1yr 60 minutes 50W / 9W Aerial cable, Mains cord, Scart cable, S-VHS cable, Remote Control, Batteries 12 Kg/10 Kg 476 x 366 x 145 560 x 500 x 261	
<b>Comparison</b>	<b>S-VHS</b>	<b>D-VHS</b>
Chroma bandwidth	0.5 MHz	3.375 MHz
Resolution	400 lines	540 lines
S/N sound	80 dB	110 dB
Maximum Recoding Time in Standard/Long Play Mode	4 hours/8 hours (E240 tape)	7 hours/21 hours (DF420 tape)

Let's make things better.



PHILIPS